

TECHNOLOGY BUILDING -- Briefing Notes

and special requirements

1. Not based on increased personnel, but on technical space needed to stay abreast with modern technology. Much of this need could not be foreseen when present building planned and constructed. Thus, justification to outside officials, including committees of Congress should be much easier.

2. No population increase at Langley. Total personnel from TSD (2430 E Street), OTR (Glebe Road) and other outside locations is less than the number moving to Rosslyn into the fourth building. The Technology Annex has low density of personnel, thus, no impact on McLean community and, hopefully, no problem with the Committee on Federal Buildings in the National Capital Area.

3. If new space is not provided, very expensive alterations will be required to existing space (already overcrowded and unsuited to future needs). Alterations costs equal cost of new construction of same type of space in some cases.

a. About \$1,000,000 involved in alterations of 2430 E Street for TSD needs and we now have been notified that Department of State ^{desires} requires this area. Hopefully, can hold on until 1970, but State's needs are expanding. Alternative to Technology Building is to rent commercial type space for TSD and undertake very expensive alterations which must be taken out to restore

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the building when lease is finished. This is a makeshift arrangement, unsatisfactory to all concerned.

b. OCS has already requested more than 100% expansion of special purpose type space to house all computer and related data processing equipment. Implementation of the 3rd generation of such equipment, now underway, requires interface between computer facilities and advanced communication equipment. Thus, special needs for air conditioning, shielding, physical security and back-up facilities as well as common supply items can best be accomplished in new space especially designed for that purpose. This will be most difficult and expensive to accomplish by alterations and expansion in existing areas.

c. The equipment in the Telephone Frame Room will be obsolete in the next decade. It would be most economical to install the new equipment in a new Langley location (requiring more space than present facility) and cut-over to the new system. Thereafter, the existing facilities can be converted to office space.

d. The Signal Center is overcrowded and some of the equipment needs to be replaced with more modern machines. This can best be accomplished in new especially designed space. As in the case of the Computer Center, time is a vital factor in determining the extent of alterations and changes required. It will be difficult to defer until 1970 many of the improvements becoming available, but given a target for completion of new facilities, it will be easier to ad hoc with present equipment

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for a fixed time span.

e. OTR is split in three--soon to be four locations--in rather expensive space unsuited to its needs. By the mid 70's OTR will need some 30,000 additional square feet--mostly classrooms--to meet expanded training needs. Alteration of space to meet OTR needs is less expensive than in the case of TSD, OCS and Signal Center, *but specific requirements of space necessary*, but none of the commercial type space is satisfactory. OTR needs classrooms especially constructed for its purpose--high ceilings, extra air conditioning, projector booths and similar facilities.

4. Time table can be greatly reduced--*fully* ~~hope~~ cut about in half so as to complete the single building by 1970. By considering the building an annex to existing Headquarters, it may be possible to reduce steps and time required for authorization for additional construction. Need only authority to use funds for this purpose. Timing becomes very critical in meeting early needs for technical space (OCS, TSD, Signal Center) if we are to avoid very expensive alterations and expansion in place (where space is not available):

a. Building Planning Group--September 1966. Firm up functions to go in Technology Annex; develop preliminary costs estimates--about 6 months.

b. February/March 1967. OUTSIDE contacts with BOB and GSA (if not allowed earlier). Firm up costs estimates, seek approval of GSA and Committee, seek approval of BOB and Congressional Committees for

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funds for A&E work, space directive covering in detail exact space needs, enclosures, configuration and preliminary master plan for area.

c. Early 1968. A&E firm develops designs and drawings for Technology Building and any related facilities.

d. Late 1968 and early 1969. Seek approval of BOB and Congressional Committees for funds. Hopefully, construction can start in late 1969. About 18 months will be required for construction.

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